

CLAIMS

- 1     1.     A data processing apparatus comprising:  
2             input means for inputting content description data  
3     describing a plurality of segments in which each of said  
4     plurality of segments represents a scene of media content  
5     constituted by a plurality of scenes, and scores that are  
6     attribute information of the media contents representing a  
7     viewpoint represented by at least one keyword describing scenes,  
8     the scores also representing degree of relative importance of  
9     each of plurality of segments based on the viewpoint; and  
10            selection means for selecting one of said plurality of  
11     segments based on the viewpoint and/or the scores.
  
- 1     2.     The data processing apparatus according to claim 1, wherein  
2     said plurality of segments are hierarchically described.
  
- 1     3.     The data processing apparatus according to claim 1, wherein  
2     the content description data includes supplemental information.
  
- 1     4.     The data processing apparatus according to claim 1, wherein  
2     the media content corresponds to video data and/or audio data.
  
- 1     5.     The data processing apparatus according to claim 1, wherein  
2     each of said plurality of segments is provided with linkage

3 information for linking to dominant data that represents said  
4 segment.

1 6. The data processing apparatus according to claim 5, wherein  
2 the dominant data is text data, image data and/or audio data.

1 7. The data processing apparatus according to claim 1, wherein  
2 a plurality of sets of the viewpoint and the scores are described  
3 in one segment.

1 8. The data processing apparatus according to claim 2, wherein  
2 a plurality of sets of the viewpoint and the scores are described  
3 in one segment.

1 9. A data processing method comprising the steps of:  
2 inputting content description data describing a plurality  
3 of segments in which each of said plurality of segments  
4 represents a scene of media content constituted by a plurality  
5 of scenes, and scores that are attribute information of the media  
6 contents representing a viewpoint represented by at least one  
7 keyword describing scenes, and the scores also representing  
8 degree of relative importance of each of said plurality of  
9 segments based on the viewpoint; and  
10 selecting one of said plurality of segments based on the  
11 viewpoint and/or the scores.

1     10. The data processing method according to claim 9, wherein  
2     said plurality of segments are hierarchically described.

1     11. The data processing method according to claim 9, wherein the  
2     content description data includes supplemental information.

1     12. The data processing method according to claim 9, wherein the  
2     media content corresponds to video data and/or audio data.

1     13. The data processing method according to claim 9, wherein  
2     each of said plurality of segments is provided with linkage  
3     information for linking to dominant data that represents said  
4     segment.

1     14. The data processing method according to claim 13, wherein  
2     the dominant data is text data, image data and/or audio data.

1     15. The data processing method according to claim 9, wherein a  
2     plurality of sets of the viewpoint and the scores are described  
3     in one segment.

1     16. The data processing method according to claim 10, wherein  
2     a plurality of sets of the viewpoint and the scores are described  
3     in one segment.

1 17. A data processing apparatus comprising:

2 input means for inputting content description data  
3 describing a plurality of segments in which each of said  
4 plurality of segments represents a scene of media content  
5 constituted by a plurality of scenes that are marked off by time  
6 according to scene boundary, and scores that are attribute  
7 information of the media contents representing time information  
8 describing scene boundaries, a viewpoint represented by at least  
9 one keyword describing scenes, and the scores also representing  
10 degree of relative importance of each segment based on the  
11 viewpoint; and

12 selection means for selecting one of said plurality of  
13 segments based on the viewpoint and/or the scores.

1 18. The data processing apparatus according to claim 17, wherein  
2 said plurality of segments are hierarchically described.

1 19. The data processing apparatus according to claim 17, wherein  
2 the content description data includes supplemental information.

1 20. The data processing apparatus according to claim 17, wherein  
2 the media content corresponds to video data and/or audio data.

1 21. The data processing apparatus according to claim 17, wherein  
2 each of said plurality of segments is provided with linkage

1 information for linking to dominant data that represents said  
2 segment.

1 22. The data processing apparatus according to claim 21, wherein  
2 the dominant data is text data, image data and/or audio data.

1 23. The data processing apparatus according to claim 17, wherein  
2 a plurality of sets of the viewpoint and the scores are described  
3 in one segment.

1 24. The data processing apparatus according to claim 18, wherein  
2 a plurality of sets of the viewpoint and the scores are described  
3 in one segment.

1 25. The data processing apparatus according to claim 17, wherein  
2 the time information includes starting time and ending time of  
3 each scene.

1 26. The data processing apparatus according to claim 17, wherein  
2 the time information includes starting time and duration time of  
3 each scene.

1 27. A data processing method comprising the steps of:  
2 inputting content description data describing a plurality  
3 of segments in which each of said plurality of segments  
4 represents a scene of media content constituted by a plurality

5 of scenes that are marked off by time according to scene  
6 boundary, scores that are attribute information of the media  
7 contents representing time information describing scene  
8 boundaries, a viewpoint represented by at least one keyword  
9 describing scenes, and the scores also representing degree of  
10 relative importance of each of said plurality of segments based  
11 on the viewpoint; and

12 selecting one of said plurality segments based on the  
13 viewpoint and/or the scores.

1 28. The data processing method according to claim 27, wherein  
2 said plurality of segments are hierarchically described.

1 29. The data processing method according to claim 27, wherein  
2 the content description data includes supplemental information.

1 30. The data processing method according to claim 27, wherein  
2 the media content corresponds to video data and/or audio data.

1 31. The data processing method according to claim 27, wherein  
2 each of said plurality of segments is provided with linkage  
3 information for linking to dominant data that represents said  
4 segment.

1. 32. The data processing method according to claim 31, wherein  
2 the dominant data is text data, image data and/or audio data.

1     33. The data processing method according to claim 27, wherein  
2     a plurality of sets of the viewpoint and the scores are described  
3     in one segment.

1     34. The data processing method according to claim 28, wherein  
2     a plurality of sets of the viewpoint and the scores are described  
3     in one segment.

1     35. The data processing method according to claim 27, wherein  
2     the time information includes starting time and ending time of  
3     each scene.

1     36. The data processing method according to claim 27, wherein  
2     the time information includes starting time and duration time of  
3     each scene.